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OXC 1992  
Copy 1 of 1

4 AUG 1961

MEMORANDUM FOR: Chief, Development Branch, DPD

SUBJECT: Aerial Rendezvous System for OXCART

1. The operational concept for OXCART demands a precision and reliable aerial rendezvous system which possesses the capabilities and characteristics to provide for the following:
  - a. Positive identification and location of the KC-135 tanker by the A-12 receiver and conversely, the receiver by the tanker.
  - b. Range and azimuth information must be available to both the tanker and the receiver from a separation distance of not less than 200 nautical miles and continuously thereafter to "join-up".
  - c. The A-12 rendezvous system must be compatible with the radar/beacon/rendezvous equipment normally installed in the KC-135.
2. As previously reported to you, SAC and TAC have recently conducted aerial testing of a new, lightweight, compact transistorized rendezvous system. This combined aerial refueling operation was conducted at Seymour - Johnson AFB, N.C. during the period March to April 1961 under the operational code name, [REDACTED]. You may wish to investigate the results of this operation as a possible solution to the rendezvous equipment problem.

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SIGNED

[REDACTED]  
Lt. Colonel USAF  
Chief, Special Projects Branch, DPD

cc: AC/DPD  
ASST CH/DPD  
DPD/RS  
DPD/RS

DPD/SPB  
DPD/RI

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